

ZINC-SUBSTITUTED ZEOLITE ADSORBENTS AND
PROCESSES FOR THE USE THEREOF IN GAS SEPARATION

ABSTRACT

Monovalent and/or divalent cation-exchanged zeolite adsorbents, such as zinc-substituted zeolites, for use in separating nitrogen from a gas, such as air, and a process for use of the adsorbents in a PSA cycle to economically and effectively produce nitrogen from air.